

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of extending debug functions of a debugger system for debugging the operation of a target system, said method comprising:

~~registering by a framework module providing as a file stored in a predetermined directory of a host computer a function module including in which are provided~~ at least one of an option menu information item, a window information item and an input button information item for use in generating at least one of an option menu, a window and an input button through which a predetermined debug function is controlled;

searching by a framework module the predetermined directory of the host computer for a new function module that has not yet been registered;

registering by the framework module the new function module;

registering said at least one of the option menu information item, the window information item and the input button information item by an interface generation unit which includes at least one of an option menu generation unit, a window generation unit and ~~[[an]]~~ a button generation unit; ~~and~~

~~creating~~ displaying said at least one of said option menu, said window and said input button with reference to said at least one of the option menu information item, the window information item and the input button information item in order to control the operation of the debugger system through a manipulation screen thereof;

calling said function module corresponding to the debug function with the framework module when the debug function is selected in the debugger system to use the debug function for debugging the operation of the target system; and

displaying said at least one of said option menu, said window and said input button in the manipulation screen in order that said debugger system performs debugging in

accordance with the debug function as selected by manipulation of said at least one of said option menu, said window and said input button.

Claim 2 (Canceled).

Claim 3 (Currently Amended): A debugger system for debugging the operation of a target system, said target system comprising:

a debugger program as installed in a computer and configured to register by a framework module a function module provided as a file stored in a predetermined directory of a host computer, said function module including at least one of an option menu information item, a window information item and an input button information item for use in generating at least one an option menu, a window and an input button through which a predetermined debug function, to search by a framework module the predetermined directory of the host computer for a new function module that has not yet been registered, to register said at least one of the option menu information item, the window information item and the input button information item in an interface generation unit which includes at least one of an option menu generation unit, a window generation unit and an button generation unit; and to create said at least one of said option menu, said window and said input button with reference to said at least one of the option menu information item, the window information item and the input button information item in order to enable manipulation of the debugger system through a manipulation screen thereof,

when the debug function is selected in the debugger system to use the debug function for debugging the operation of the target system, said framework module serves to call said function module corresponding to the debug function as selected; and wherein displaying said at least one of said option menu, said window and said input button in the manipulation

screen in order that said debugger system performs debugging the target system in accordance with the debug function as selected by manipulation of said at least one of said option menu, said window and said input button; and

a test tool configured to save said function module to be registered in said debugger program so that said function module ~~[[it]]~~ takes control of debugging processes and to enable ~~make it possible that~~ said function module to be ~~[[is]]~~ dynamically linked to said debugger program when the function module is registered.

Claim 4 (Currently Amended): A debugger program product comprising a computer readable medium having computer program logic stored therein for debugging the operation of a target system, said debugger program product including:

a program routine configured to provide as a file stored in a predetermined directory of a host computer ~~register by a framework module~~ a function module including in which are ~~provided~~ at least one of an option menu information item, a window information item and an input button information item for use in generating at least one of an option menu, a window and an input button through which a predetermined debug function is controlled;

a program routine configured to search by a framework module the predetermined directory of the host computer for a new function module that has not yet been registered;

a program routine configured to register by the framework module the new function module;

a program routine configured to register said at least one of the option menu information item, the window information item and the input button information item by an interface generation unit which includes at least one of an option menu generation unit, a window generation unit and a ~~an~~ button generation unit; ~~and~~

a program routine configured to ~~display~~ create said at least one of said option menu, said window and said input button with reference to said at least one of the option menu information item, the window information item and the input button information item in order to control the operation of the debugger system through a manipulation screen thereof;

a program routine configured to call said function module corresponding to the debug function with the framework module when the debug function is selected in the debugger system to use the debug function for debugging the operation of the target system; and

a program routine configured to display said at least one of said option menu, said window and said input button in the manipulation screen in order that said debugger system performs debugging in accordance with the debug function as selected by manipulation of said at least one of said option menu, said window and said input button.

Claim 5 (Currently Amended): A debugger program product comprising a computer readable medium having computer program logic stored therein for debugging the operation of a target system which includes ~~is provided with~~ a microprocessor, said debugger program product including:

a framework module configured to search a predetermined directory of a host computer for a new function module that has not yet been registered, configured to register the new function module, configured to ~~such that it can~~ be dynamically linked to said ~~[[a]]~~ function module which serves to provide a debug function for use in debugging the operation of said target system, and configured to ~~can~~ be connected to a simulator capable of performing the simulation of said target system in order to debug the operation of said target system by the use of the debug function of said function module.

Claim 6 (Currently Amended): A debugger program product as claimed in claim 5 comprising a computer readable medium having computer program logic stored therein for debugging the operation of a target system which includes ~~is provided with~~ a microprocessor, wherein

said function module including ~~is provided with~~ at least one of an option menu information item, a window information item and an input button information item for use in generating at least one an option menu, a window and an input button through which a predetermined debug function is controlled; and wherein

said framework module refers to said at least one of the option menu information item, the window information item and the input button information item for creating said at least one of said option menu, said window and said input button with reference to said at least one of the option menu information item, the window information item and the input button information item in response to a request by a user in order to control the operation of the debugger system through a manipulation screen thereof.